Violetta Model No. 3111

Manufactured by Chicago Electric Scientific Company, Chicago, Ill.

Contents:

1 High Frequency Generator. Electrodes Nos. 1

WARNING

Do not use this high frequency generator while in the bath tub or while any part of the body is in contact with water or plumbing of any kind. Keep generator dry.

Do not allow treatment to last more than ten minutes and not more than ten seconds in any one particular place. Keep electrode in constant motion during course of treatment. Never use electrode if it irritates the skin or tissue in any way.

Do not use any solution on the hair or body containing alcohol or other inflammable substance prior to or while using high frequency violet ray. The electrical sparks emitted at the electrode might ignite a volatile, inflammable substance.

Local application of high frequency currents are not to be used in (1) acute inflammatory processes such as acute non-draining cellulitis (inflammation), acute arthritis characterized by infection and acute pelvic infection.

(2) Any condition in which there is a tendency to *hemorrhage, such as gastric ulcer.

(3) In those areas in which the appreciation of heat has been impaired or lost, as in certain peripheral nerve injuries. It is also not to be used in any serious disease or injury unless recommended by a physician, or for malignant or suspicious growths such as cancer, etc.

Consult your physician for treatment of diseases.

INSTRUCTIONS FOR USE OF THE VIOLETTA HIGH FREQUENCY GENERATOR

The proper application of the Violetta is very simple, if the directions given below are strictly adhered to.

(1) Insert the electrode in the nozzle of the generator. Do not push the electrode into the opening, but give it a twisting motion, thereby eliminating much pressure on its delicate glass structure. On removing the electrode, follow the same directions.

(2) Insert the plug into the electric light socket, then turn the control knob on the other end of the generator. To the right applies an increase to the current. To the left decreases and shuts it off. Be sure current corresponds to voltage on nameplate.

(3) Apply and remove electrode to and from the body with a quick motion. Thus applied and removed, the "spark" or slight tingle felt with a slow application, is eliminated. The electrode may also be applied to the body before the current is turned on and removed after it is turned off.

(4) The electrode should not be held still while in contact with the body, but should be moved slowly over the area being treated. Do not use pressure on the electrode. Simply move back and forth with a dusting-like motion.

(5) Treatment may be through the clothing or directly upon the skin. If applied through the clothing, regulate the current with the knob at the end of the generator, to the thickness of the clothing and for comfort. Thick clothing or covering causes a longer "spark" and a counter-irritant effect.

(6) In the indirect method of treatment, the person who is to receive the treatment holds the metal electrode in his hand while the electrode is inserted in the high frequency generator. A second person turns the current on the generator, then applies one of the glass electrodes to the area to be treated by holding in his hand the metal cap of the glass electrode. The second person actually draws the current from the body of the first. This method is generally used in very mild applications — particularly for persons who are extremely nervous. It may be used for body massage, facial massage and scalp treatment.

(7) Do not operate instrument longer than ten minutes without twenty minutes intermission for cooling; otherwise, overheating of the coils may result in damage to the generator.

(8) Do not use any tonic containing alcohol or other inflammable substance on the hair or any lubricant on the body containing same, in connection with the treatment as a spark from the generator might ignite any highly inflammable substance.

(9) Start the treatment with a mild current and gradually increase. The further the knob is turned to the right, the stronger the current.

(10) When through using the appliance, be sure to turn off the current at the switch, or better still, detach the plug from the socket. The current is not off the generator when the adjusting knob is turned completely to the left, or off. Although no current is passing into the electrode, yet the current is passing through the coils and they will become overheated. Damage resulting from this cause is only the result of carelessness and is not covered in our guarantee. The safest method is to unscrew the plug from the socket when the machine is not in use.

(11) Electrodes may be washed with soap and water and sterilized by the use of any recognized antiseptic solution. Be sure to remove electrodes before washing in water. Do not boil electrodes in water or subject them to excessive changes of cold or heat.

USE OF ELECTRODES

The general electrode is used for the face and body and any surface application. It is constructed with a lead in wire which increases the intensity of the current to cover a wide range of applications.

The comb rake electrode is used for stimulating circulation of the scalp.

The throat electrode is designed to fit over the neck and may be used to relieve congestion which so frequently arises after exposure to a draft from an open window or from an electric fan.

The eye electrode is smaller than the general electrode and milder. It is designed to offer convenient applications about the eyes. Can also be used on the face.

The metal electrode is designed to conduct the current directly from the generator to the body. (See paragraph 6).

Electrodes may be purchased separately.

Violetta Model No._____

Manufactured by Electro-Technic Products, 4602 Montrose Ave., Chicago 41, Ill.

Contents:

1 High Frequency Generator. Electrodes Nos._____

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Cesco *High frequency*

CESCO Violet Ray Equipment

Made by Electro-Technic Products • 4602 Montrose Avenue • Chicago, Ill.

The Advanced VIOLETTA KITS

professional equipment especially developed to give therapeutic aid to the beauty practitioner

For some time students of beauty culture have recognized a need for scientific electrical aid in treatments of the skin or the scalp. These advanced Violetta high frequency violet ray outfits have been developed for this practical purpose, and provide the therapeutic values desired to aid in the correction of skin and scalp deficiencies.

Applied over the body, the action of the electrodes stimulates the circulation of the blood. It brings nourishment to the hair follicles if used as a scalp treatment, or, if used for general body or facial work, the stimulating qualities of the rays carry the food values in the blood stream to feed the epidermis cells on the surface of the body.

You will also find that patrons receive a very beneficial reaction from this high frequency treatment, as the H. F. current is mildly stimulating to the nervous system —leaving a pleasant afterglow and a sense of relaxation.

No. 412 A practical general utility kit for facial and scalp treatment that includes the Violetta generator with the No. 1 general electrode, and No. 3 comb electrode.

Price $15.10

Packed in a sateen lined case with snap locks and handle, individual compartments. Size, approximately 12x8x3.

No. 411 This outfit includes the Violetta generator and the No. 1 general electrode.

Price $13.30

Packed in a substantial case approximately 12x6x3.

No. 413 A practical, general purpose kit that includes the Violetta generator with the No. 1 general electrode, the No. 3 comb electrode and the No. 5 throat electrode.

Price $16.10

Packed in a sateen lined case with snap locks and handle, with individual compartments for electrodes. Size approximately 12x9x3.

Safe, easy operation

gives you complete peace of mind

A precision, scientific electrical instrument, the generator of the Violetta set and the accessories used with it are approved by leading laboratories.

The generator has been perfectly balanced so that it handles without effort, and the ribbed hand grip offers the double advantage of providing both ventilation and a firm hold for the fingers.

An exclusive patented arrangement of the vibrator mechanism thoroughly insulates the adjusting knob and screw—a shock proof feature every operator will appreciate. Special Cesco construction also keeps the contact points in perfect alignment, so that adjustment of the flow of current is smooth and completely controlled at all times.

Violetta kits are made by the Electro-Technic Products Company, makers of technical electrical instruments for the professions and for industry, with a back-ground of years of successful experience.

No. 414 This deluxe professional kit offers a very complete set of accessories for the treatment of many common conditions. It includes the Violetta generator and the following electrodes: No. 1 general, No. 2 condenser electrode for concentrating treatments, No. 3 comb electrode for scalp and the No. 20 full duration electrode for the removal of warts, corns and callouses.

Price $20.90

Packed in sateen lined case with snap locks and handle for carrying. Individual compartments for all electrodes. Size, approximately 13½x9¼x3¼.

The CESCO
High Frequency Generator
Vacuum Tester

PATENT PENDING

THE CESCO high frequency generator is being used extensively by the largest lamp, radio tube, X-Ray and Neon sign Manufacturers in the country. In fact it is indispensable wherever exhausting of medium or highly evacuated glass containers is required. It may be carried from one room to another, weighing only 1½ pounds, 2 inches in diameter and 10 inches long.

The CESCO high frequency generator may be attached to any light socket. No batteries or transformers are necessary. The entire mechanism is contained in the molded bakelite handle. The mechanism consists essentially of an interrupter coil vibrating spark gap, condenser and Tesla or resonator coil. The regulation of the intensity of the out-put current is provided for by an adjusting knob at the end of the instrument. A one inch spark of high intensity and high frequency is delivered at the metal terminal. Any metallic object or ground may be employed for the second terminal to complete the circuit.

The CESCO high frequency generator replaces the ordinary spark coil and batteries in nearly every case of laboratory, commercial and educational use. Owing to the nature of the high frequency current, there is no danger of receiving a severe shock, accidently from this instrument, as from other high potential coils and transformers. It may be readily handled without fear or apprehension.

While this high frequency generator was primarily designed for testing vacuums and locating microscopical leaks in glass containers and pumping systems, owing to its portability and low cost a number of new uses have been found. It is an indispensable part of equipment for any technical, scientific laboratory or school.

The following are some of the applications of the generator.
Determining the degree of vacuum by various colored discharges.
Gaseous contents of certain types of vacuum and radio tubes.
Locating microscopical leaks in glass seals and evacuating systems.

Educational use:

Conductivity of electric currents in a partial vacuum.
Illumination of neon glow tubes.
Effect of different vacuums on the color of the electrical discharge.
Generation of ozone by electrical discharges.
Phenomenon of corona discharges.
The non response of the nervous system to high frequencies, etc.

EXTREMELY USEFUL FOR TESTING RUBBER, GLASS & OTHER NON-METALLIC LININGS OF VATS, TANKS, ETC.

ELECTRO-TECHNIC PRODUCTS

4602 MONTROSE AVENUE CHICAGO 41, ILL.

This tester is also useful as a violet ray generator when used in connection with the electrodes shown on other side.

Violetta Electrodes

All Violetta electrodes are produced in the glass blowing department of the Electro-Technic Products Co. The forming and sealing work is under the direct control and supervision of technical experts. These electrodes are made to meet the rigid specifications and are guaranteed to represent the finest workmanship in the art of blown glass.

A Violetta electrode can always be identified by the diamond trade-mark on the cap.

No. 1—General Electrode. Used for facial and body treatments and for any surface application..... $1.00

No. 1-A—Double Duty Electrode. A surface electrode producing a strong current for energetic stimulation and also a mild effleuve for light treatments..... 2.50

No. 2—Condenser Electrode. Condensing the current and producing a strong even flow, generating electrical heat which is very desirable in deep seated cases..... 3.00

No. 3—Comb-Rake Electrode. Used for all scalp treatments. Stimulates the hair roots and cells..... 1.50

No. 4—Special Electrode. For spinal treatments, fitting over both sides of the vertebrae..... 1.50

No. 5—Throat Electrode. For external application..... 1.00

No. 6—Metal Electrode. For indirect treatment. Patient holds metal electrode in generator. Second person draws current from patient by holding glass electrode in their hand, over area to be treated. Very mild and pleasant method. Specially recommended when using Cautery electrode..... 1.75

No. 7—Special Vaginal Electrode. Perforations permits the generation of ozone within the vagina..... 2.00

No. 8—Vaginal Electrode. Similar to No. 7 but without perforations..... 2.00

No. 9—Prostatic Electrode. Designed to fit directly over the prostate gland..... 2.00

No. 9-A—Prostatic Electrode. An exclusive Cesco design, superior to any other. Length just right to reach prostate gland. Shaped for the most comfortable position and insulated to the tip..... 3.00

No. 10—Internal Throat Electrode..... 2.00

No. 11—Nasal and Ear Electrode..... 2.00

No. 11-A—A special Ear Electrode. Insulated to the tip and fits in the ear passage..... 2.50

No. 12—Urethral Electrode..... 2.00

No. 13—Plain Vaginal Electrode..... 1.50

No. 14—Plain Rectual Electrode..... 1.50

No. 15—Plain Throat Electrode..... 1.50

No. 16—Plain Nasal Electrode..... 1.50

No. 17—Plain Urethral Electrode..... 1.50

No. 18—Eye and Face Electrode..... 1.00

No. 19—Spatula or Tongue Electrode..... 1.50

No. 20—Cautery Electrode. Made with a special wire sealed in the glass and used for removing warts, moles and growths. See electrode No. 6..... 2.50

No. 30—Special Metal Electrode for Reflex Action. Used to stimulate any muscle or nerve, especially the nerve centers at the spine..... 1.75

No. 41—Dental Electrode Concave Electrode..... 2.00

No. 42—Dental Electrode. Similar to No. 41 but concave..... 2.00

No. 44—Small Cataphoric Electrode. Medicated cotton to be placed in end and solution is driven into tissues by the current 2.00

No. 45—Dental Abcess Electrode..... 2.00

No. 50—Dental Electrode. For outside gum treatment..... 2.00

No. 53—Dental Electrode. For treating inside of gums, right side..... 2.00

No. 54—Dental Electrode. For treating inside of gums, left side 2.00

ELECTRO-TECHNIC PRODUCTS CO.
4602 WEST MONTROSE AVENUE CHICAGO, ILL.